

[54] **HIGH FIDELITY STEREOPHONIC REPRODUCTION SYSTEM**

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Related U.S. Application Data

[63] Continuation of Ser. No. 47,967, Jun. 12, 1979, abandoned, which is a continuation-in-part of Ser. No. 889,664, Mar. 24, 1978, abandoned.

[30] **Foreign Application Priority Data**

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[58] Field of Search 455/89, 100; 369/4, 369/5, 69, 70; 360/93; 179/1 VE, 1 R, 1 A, 156 R, 156 A, 1 P

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[57] **ABSTRACT**

An audio system for portable high fidelity reproduction, to provide a sensation of being surrounded by a three-dimensional field of lifelike sound events, comprises a set of miniaturized electro-acoustical devices adapted to each other and for battery-operated high fidelity reproductions and designed to be supported by or built into an interconnecting belt-like garment, so as to be worn in contact with the listener's body without causing any discomfort or encumbrance. The system may further employ one or more pairs of small-size binaural transducers with open-air high fidelity characteristics, and its circuitry is designed for binaural radiation and for optimal frequency response and perfect space reproduction through a given transducer type.

17 Claims, 4 Drawing Figures

